JAMECO®
ELECTRONIC COMPONENTS
COMPUTER PRODUCTS

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Part Number: 129550
Product Number: ADAM4017 (8-Channel Analog Input Module)

Analog Input:

Channels:	Six differential, two single-ended
Input Type:	mV, V, mA
Input Range:	+/- 150mV, +/-500mV, +/- 1V, +/-5V, +/- 10V, +/-20mA
Isolation Voltage:	$500V_{DC}$
Sampling Rate:	10 samples / second (total)
Bandwidth:	13.1Hz
Accuracy:	+/- 0.1% or better
Zero Drift:	+/- 0.3μV/ ^{0}C
Span Drift:	+/-25 ppm / ^{0}C
CMR @ 50/60HZ:	92 dB minimum
Power Requirement:	+10 to $+30V_{DC}$ (unregulated)
Power Consumption:	1.2 W

*ADAM 4000 Series Common Specifications:

Communication

- RS-485 (2 wire) to host
- Speeds: 1200, 2400, 4800, 9600, 19200 bps
- Maximum communication distance: 4000 feet (1.2Km)
- Power and communication LED indicator
- ASCII command / response protocol
- Communication error checking with checksum
- Asynchronous data format: 1 start bit, 8 data bits, 1 stop bit, no parity
- Up to 256 multidrop modules per serial port
- On-line Module insertion and removal
- Transient suppression on RS-485 communication lines

Power Requirements

- Unregulated +10 to $+30V_{DC}$
- Protected against power reversal

Mechanical

- Case: ABS with captive mounting hardware
- Plug-in screw terminal block: accepts 0.5mm to 2.5mm 1 - #12 or 2 - #14 to #22 AWG

Environment

- Operating temperature: 14 to 158 degrees Fahrenheit (-10 to 70 degrees Celsius)
- EMI: Meets FCC class A
- Storage Temperature: -13 to 185 degrees Fahrenheit (-25 to 85 degrees Celsius)
- Humidity: 5 to 95%, non-condensing